SEQUENCE LISTING

<110> Monsanto Technology, LLC

<120> THIOESTERASE-RELATED NUCLEIC ACID SEQUENCES AND METHODS OF USE FOR THE PRODUCTION OF PLANTS WITH MODIFIED FATTY ACID COMPOSITION

<130> 16518.128

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<170> PatentIn version 3.1

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tgattagata cacaagcttt atacatgatg aactatggga aaccttgtgc aacagagcta      240

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caaaagttat ggaacccttt cttttctctc ttgaagatgc aaatttgtca cgactgaagt      180

ttgaggaaat catttgaatt ttgcaatgtt aaaaaagata atgaactaca tattttgcag      240

gcaaaaacct ctaattgaac aaactgaaca ttgtatctta gtttatttat cagactttat      300

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Leu Ile Asp Pro Phe Gly Ile Gly Lys Ile Val Gln Asp Gly Leu Val
        35   40   45

Phe Arg Glu Asn Phe Ser Ile Arg Ser Tyr Glu Ile Gly Ala Asp Arg
    50   55   60

Thr Ala Ser Ile Glu Thr Val Met Asn His Leu Gln Glu Thr Ala Leu
65   70   75   80

Asn His Val Lys Ser Ala Gly Leu Leu Gly Asp Gly Phe Gly Ser Thr
                85   90   95

Pro Glu Met Cys Lys Lys Asn Leu Ile Trp Val Val Thr Arg Met Gln
            100   105   110

Val Val Val Glu Arg Tyr Pro Thr Trp Gly Asp Ile Val Gln Val Asp
        115   120   125

Thr Trp Val Ser Gly Ser Gly Lys Asn Gly Met Arg Arg Asp Trp Leu
    130   135   140

Leu Arg Asp Ser Lys Thr Gly Glu Ile Leu Thr Arg Ala Ser Ser Val
145   150   155   160

Trp Val Met Met Asn Lys Leu Thr Arg Arg Leu Ser Lys Ile Pro Glu
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Glu Val Arg Gln Glu Ile Gly Ser Tyr Phe Val Asp Ser Asp Pro Ile
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Leu Glu Glu Asp Asn Arg Lys Leu Thr Lys Leu Asp Asp Asn Thr Ala
            195   200   205

Asp Tyr Ile Arg Thr Gly Leu Ser Pro Arg Trp Ser Asp Leu Asp Ile
    210   215   220

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Ala Pro Gln Pro Ile Leu Glu Ser His Glu Leu Ser Ser Met Thr Leu
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Glu Tyr Arg Arg Glu Cys Gly Arg Asp Ser Val Leu Asp Ser Leu Thr
        260                 265             270

Ala Val Ser Gly Ala Asp Met Gly Asn Leu Ala His Ser Gly His Val
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Glu Cys Lys His Leu Leu Arg Leu Glu Asn Gly Ala Glu Ile Val Arg
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Gly Arg Thr Glu Trp Arg Pro Lys Pro Val Asn Asn Phe Gly Val Val
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aaaaaaaa                                                           1688
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